

GNIPST LIFE-SCIENCE BULLETIN

VOLUME 2, ISSUE 2

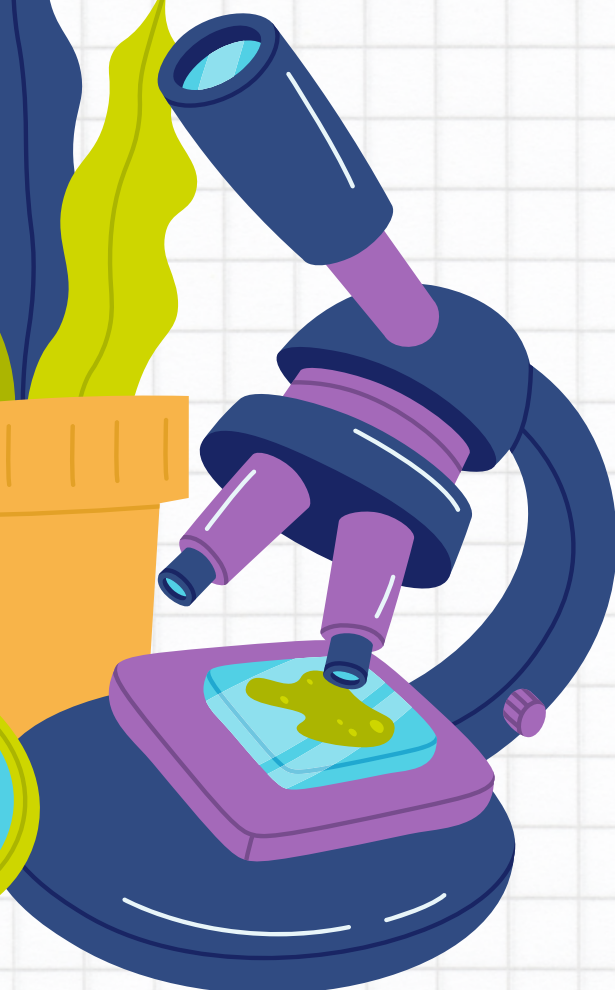
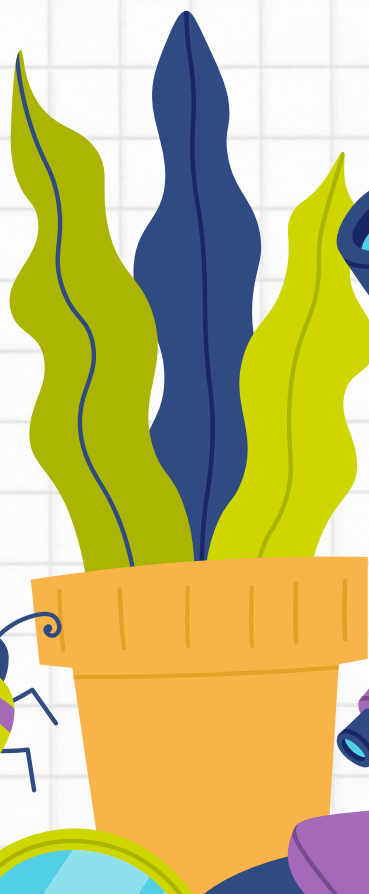
2025

FEATURING

IRIS 2025 : The Best Fest



IRIS
2K25





Message from Director's Office

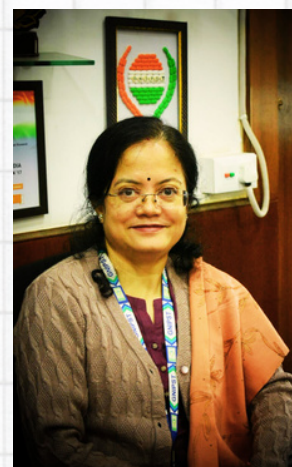
As we step into 2025, our commitment to excellence in learning, discovery, and engagement remains steadfast. At Guru Nanak Institute of Pharmaceutical Science and Technology, we continually strive to provide our students with a robust foundation that integrates core principles with practical applications. By embracing innovative educational technologies and diverse teaching methodologies, we prepare our students to meet the demands of a rapidly evolving world. We take immense pride in the GNIPST Bulletin, which serves as a platform to showcase our achievements, updates, and initiatives. I encourage all readers to stay connected and continue engaging with the bulletin to. Your involvement and feedback inspire us to aim higher and achieve more.



Prof. (Dr.) Abhijit Sengupta

Message from Principal's Office

Warm greetings from Guru Nanak Institute of Pharmaceutical Science and Technology, Department of Life Science! As one of the leading educational institutions in West Bengal, we offer state-of-the-art facilities, hands-on experience, and exceptional internship opportunities. We are committed to empowering our students to achieve excellence in their careers and personal lives, guided by strong ethical principles. As we publish the first issue of Volume 2 of the GNIPST Bulletin, we invite you to keep engaging with this platform. The bulletin is a reflection of our vibrant community, highlighting key achievements, updates, and inspiring stories. Your continued support and participation drive us to push boundaries and achieve new milestones. Together, let's make 2025 a year of remarkable accomplishments!



Prof. (Dr.) Lopamudra Datta



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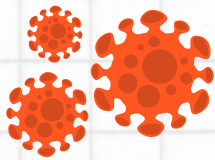
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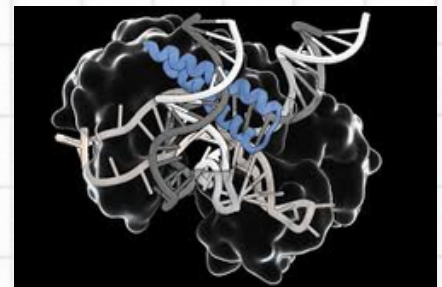
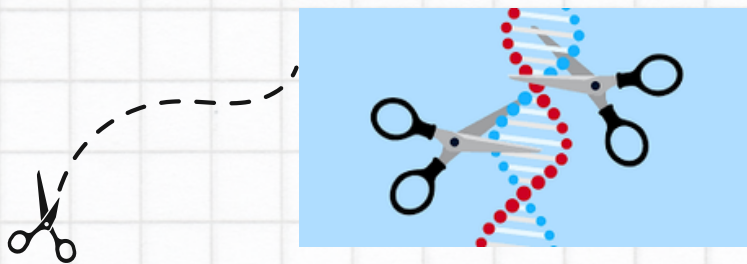


The Science Update

Did you know?

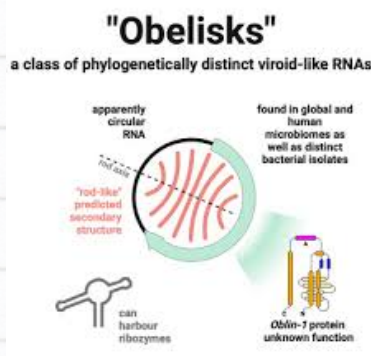
Advancements in Gene Editing: Ancient RNA-Guided Systems Uncovered

Researchers have discovered ancient RNA-guided systems that could simplify the delivery of gene-editing therapies. These findings have the potential to expand the genome-editing toolbox, offering more efficient methods for therapeutic interventions.

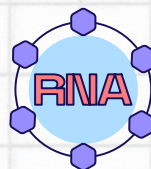


To know more : <https://news.mit.edu/2025/ancient-rna-guided-system-could-simplify-delivery-gene-editing-therapies-0227>

Discovery of 'Obelisks': Novel RNA-Based Entities in Human Microbiomes

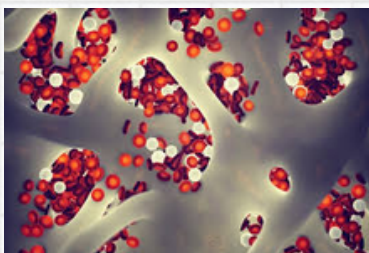


Scientists have identified new RNA-based entities, termed 'obelisks,' within human gut and oral microbiomes. These circular RNA elements are distinct from known viruses and viroids, representing a unique phylogenetic group. Their impact on human health remains under investigation.

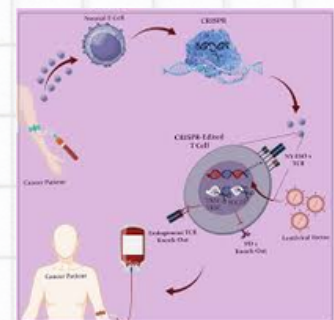


To know more : <https://microbiomepost.com/new-virus-like-agents-identified-in-human-gut-and-oral-microbiotas/>

Breakthrough in Cancer Research: Reversing Disease in Cells



Scientists in South Korea have identified a genetic "switch" that can potentially revert cancer cells to a pre-disease state. By targeting specific molecular pathways, researchers were able to push cells back to a healthy condition, offering hope for less harmful cancer treatments in the future.



To know more : https://www.kaist.ac.kr/newsen/html/news/?&skey=keyword&sval=Land&list_s_date=&list_e_date=&&GotoPage=0



The Campus Pulse

Event Spotlight



Guru Nanak Institute of Pharmaceutical Science and Technology (GNIPST) recently hosted an inter-college painting competition on the theme "Spring in Bengal." The event showcased the vibrant artistic talents of participants, who beautifully captured the essence of Bengal's springtime through their brushstrokes. From the golden fields of mustard blossoms to the festive hues of Basanta Utsav, each artwork reflected the rich cultural and natural beauty of the season. The competition witnessed remarkable creativity, making it a truly mesmerizing celebration of art and nature.



On February 28, 2025, GNIPST celebrated National Science Day by organizing a quiz competition on the theme "Empowering Women and Youth in Science: Driving Innovation for a Vikshit Bharat." The event saw enthusiastic participation from students, showcasing their knowledge of scientific advancements, inspirational figures, and innovations shaping India's future. The competition aimed to highlight the pivotal role of women and young minds in science.

Ongoing and Upcoming Events at GNIPST





IRIS 2025 : The Best Fest



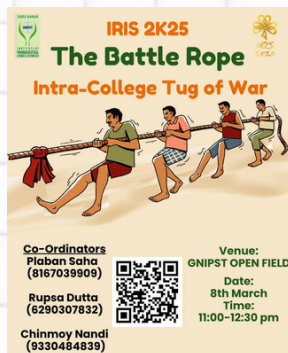
The Annual Cultural and Tech Fest of GNIPST from 6th-8th March 2025!

GNIPST proudly presents IRIS 2025, the much-awaited Annual Cultural and Tech Fest, scheduled from 6th to 8th March 2025. This vibrant fest will feature a diverse range of inter-college and inter-school competitions, including drama, short films, cooking, scientific modeling, dance, singing, quiz, debate, cricket, football, chess, online games, and more. In addition to the exciting competitions, the fest will offer a variety of food stalls and celebrity performances, ensuring a thrilling and memorable experience for all attendees. With exciting surprises and a dynamic atmosphere, IRIS 2025 promises to be a grand celebration of talent, creativity, and innovation.

Some of the Notable Events :



Short Film Competition



Intra-College Tug of War



Inter-College Solo Singing



Inter-College Yoga



Inter-College Cooking



Inter-College Photography



Antakshari and Dumb Charades



Inter College Cricket

Celebrity Band Performances :



The Folk Diaries and Morphine



Activity Corner



World Darwin Day : February 12th

World Darwin Day is celebrated on February 12 every year to honor the birth anniversary of Charles Darwin (1809–1882), the father of evolution. The day recognizes his groundbreaking work on the theory of natural selection, which revolutionized our understanding of biological diversity. It promotes scientific curiosity, reason, and the importance of evolutionary biology in modern science. Globally, events such as lectures, discussions, and exhibitions are held to celebrate Darwin's contributions and the impact of science on society.



Evolution Anagram Challenge

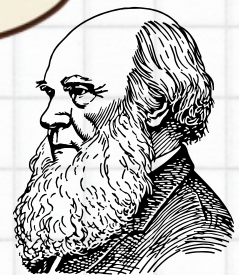
Instructions: Unscramble the words related to evolution

OLIVOTUEN

TNAOTDAIPNA

CLARUTAN TONLSICEE

OTIMUAN



The Missing Puzzle Link

Instructions: Fill in the blanks with the correct evolutionary ancestor

Land Mammals → _____ → Whales (Pakicetus)

Submit **your** answers :

**CLICK
HERE**

Stay tuned for a **shout out** to the correct answers in the next edition!

Answer Key



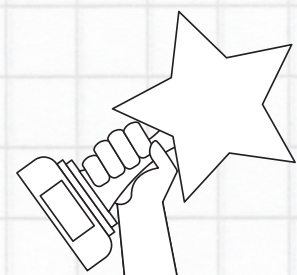
ANSWER

1. Republic
2. Heritage
3. Parade
4. Indian

Shoutout to the “Activity Corner” winner of Volume 2, Issue 1!



Debanjan Bhattacharya



Guru Nanak Institute of Pharmaceutical Science and Technology, B. Pharm

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"The best is yet to come. Here's to a year of new beginnings and limitless possibilities!"

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